500 MWe Pressurised Heavy Water Reactors (PHWRs) has been developed indigenously and the first 2×500 MWe PHWR units are under construction at Tarapur, Maharashtra. In addition, 2×1000 MWe Light Water Reactors (LWRs) proposed to be set up at Kudankulam, Tamil Nadu incorporate several advanced design features.

The design for the first 500 MWe Prototype Fast Breeder Reactor (PFBR) is in an advanced stage. A Prototype Advanced Heavy Water Reactor (AHWR) of 235 MWe capacity is also proposed to be set up.

Setting up of further projects progressively during Tenth and Eleventh Plan periods will depend on the availability of financial resources.

Safety requirement by nuclear reactors

4133. SHRI RAMA MUNI REDDY SIRIGIREDDY :
SHRI K. RAMA MOHANA RAO :

Will the PRIME MINISTER be pleased to state :

(a) the number of nuclear reactors in the country;

(b) whether it is a fact that all the nuclear reactors in the country are not meeting the safety requirements;

(c) if so, the details of such nuclear reactors which are not meeting the safety requirements; and

(d) the total electricity that the country is producing through nuclear reactors ?

THE MINISTER OF STATE IN THE DEPARTMENT OF ATOMIC ENERGY (SHRIMATI VASUNDHARA RAJE) : (a) Fourteen nuclear power reactors are operating in the country at present.

(b) No, Sir. All nuclear power reactors are meeting the safety requirements.

(c) Does not arise.

(d) The present total capacity of nuclear power plants operating in the country is 2720 MWe.